ANSWERS (Pgs 1-2) to FACs, FIGs, & FORMs

Practice Exercises – Perimeter & (Surface) Area

(From Bassarear, T. (2008). *Mathematics for Elementary School Teachers*. Houghton Mifflin: Boston. Chapter 10.)

BASIC – Finding **area** and **perimeter**

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| Exercise | Area | Perimeter |
| 1.a. | 195 mm2 | 69 mm |
| 1.b. | 148.5 mm2 | 80 mm |
| 1.c. | cm2 | 6 cm |
| 1.d. | 36π cm2 | 12π cm |
| 1.e. | 72 cm2 | 40 cm |
| 1.f. | 51.935 cm2 | 35.8 cm |
| 2.a. | 32.13 m2 | 22.84 m |
| 2.b. | 270 m2 | 71.7 m |
| 3.a. | 15 sq units |  |
| 3.b. | 19.5 sq units |  |
| 3.c. | 29 sq units |  |
| 4.a. | ½(3.5)(5)= 8.75 cm2 |  |
| 4.b. | ½(10.5)(2.5)= 13.1 cm2 |  |
| 5. | ·10π = 11.2 ft |  |
| 6. | x ≈ 7.3 ft |  |
| 7.a. | 175 sq cm - Strategies will vary | |
| 7.b. | 180 sq cm - Strategies will vary | |
| 8. | = 14.14 in | |
| 9. | 1 sq ft = 144 sq in | |